

U-LINE – LM SYSTEM

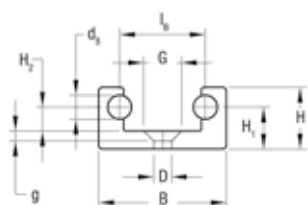
GUIDE RAILS LM

Rail composed by an aluminium body and two shafts in steel, with two internal raceways.

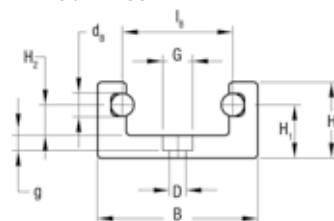
Available in stainless steel version.



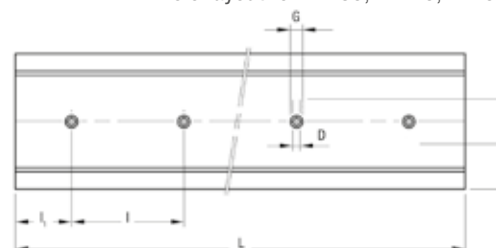
LM 30



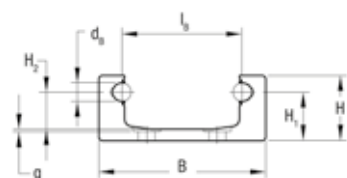
LM 40 / LM 65



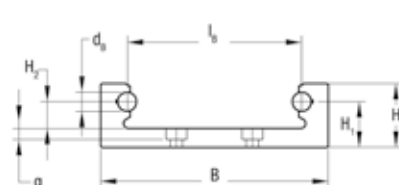
Hole layout for LM 30, LM 40, LM 65



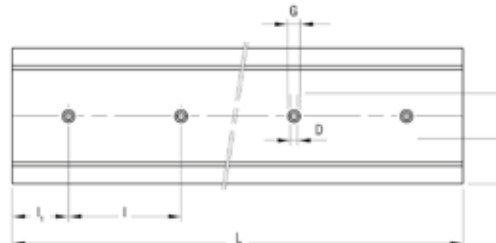
LM 90



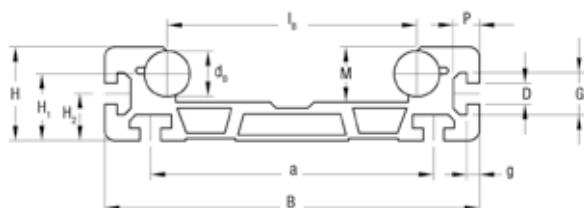
LM 120



Hole layout for LM 90, LM 120



LM 180



Guide rail	Hole layout
LM 30, LM 40, LM 65	Linear
LM 90, LM 120	Chevron
LM 120	No holes

Type	Dimensions (mm)															Moments of inertia ³⁾ (cm ⁴)		Weight (kg/m)	L max. ⁴⁾ (mm)
	d _B	l _B	B	H	H ₁	H ₂	M	D	G	g	a	e	P	l	l ₁	J _x	J _y		
LM 30 ¹⁾	6	21.5	32	15.5	10.5	6	11	4.5	9.5	2.5	–	16	–	80	40	0.5	3	1.1	6000
LM 40 ¹⁾	6	29	42	20	14	8	14	4.5	8	4	–	21	–	100	50	1.2	8.8	1.5	6000
LM 65 ¹⁾	10	42.5	65	32	23.5	13.5	22	6.5	11	6	–	32.5	–	100	50	8.8	54.9	4.1	6000
LM 90 ¹⁾	10	65	90	35	26	20	29	9	15	0.5	38	26	–	100	50	16.4	160.2	4.7	6000
LM 120 ¹⁾	10	92	120	33.5	24	14	23.5	6.5	11	6	40	40	–	100	50	14.8	311.6	6	6000
LM 180	22	120	180	45	32	22.5	26.5	10 ²⁾	20.1 ²⁾	6	136	–	12.5	–	–	53.3	1096.6	13.1	6000

1) Available with stainless steel shafts (suffix NX)

2) Slot for nut DIN 508

3) Inertia value based on equivalent aluminium yield 70000 N/mm² complete with guide rod

4) Longer rails are supplied in sections with ground butt joints and, on request, with pin connection

HOLE LAYOUT

- Holes according to catalogue (SB)
- Finishes to drawing (NZ)
- Without holes (NF)

OPTIONAL FEATURES

- Ground one end: side of the first hole (1R), side of the last hole (2R)
- Ground both ends (RR)
- Chromium plated shafts (CH)
- Stainless steel shafts (NX)
- Pin based shaft connection (G)

Example of standard designation: LM 40 1720 NF